	Clic !!
Serlal	CRF Errors Corrected by the STIC Systems Branch CRF Processing Date: 4/15/203 Changed a file from non-ASCII to ASCII ENTERED CRF Processing Date: 4/15/203 Edited by: Verified by: Veri
	Changed a file from non-ASCII to ASCIIENTERED Verified by: (STIC staff)
	Changed the margins in cases where the sequence text was "wrapped" down to the next line.
	Edited a format error in the Current Application Data section, specifically:
	Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other
	Added the mandatory heading and subheadings for "Current Application Data".
	Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
	Changed the spelling of a mandatory field (the headings or subheadings), specifically:
	Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
	Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
	Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
	Inserted colons after headings/subheadings. Headings edited included:
	Deleted extra, invalid, headings used by an applicant, specifically:
	Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as
	Inserted mandatory headings, specifically:
	Corrected an obvious error in the response, specifically:
	Edited identifiers where upper case is used but lower case is required, or vice versa.
	Corrected an error in the Number of Sequences field, specifically:
	A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
	Deleted ending stop codon in antino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a Patentin bug). Sequences corrected:
• • • • • • • • • • • • • • • • • • • •	The above corrections must be communicated to the applicant in the first Office



| LATE: 04/15/2003

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HATENT AND DEATHOR: US/10/017,672B
                                                          T188: 11:43:63
                    Imput Net : A:\PTO.AMC.txt
                   Output Fer: N:\CRF4\04152003\J017672B.raw
      A. S. 110 · APPLICANT: Nichikawa, Kiyotaka
             Lai, Hung-sen
             Sengyang, Zhou
             Yaffe, Michael B.
     ٠,
            Cantley, Lawis C.
     9 <1200 TITLE OF INVENTION: Binding Compounds and Methods for Identifying Binding
Compounds
    11 <130> FILE REFERENCE: C01123/70001 (UEV)
     13 <140> CURRENT APPLICATION NUMBER: US 10/017,672B
    14 <141> CURRENT FILING DATE: 2001-12-14
     16 < 150 > PRIOR APPLICATION NUMBER: US 60/255,586
    17 <151> PRIOR FILING DATE: 2000-12-14
     19 <160> MUMBER OF SEQ ID NOS: 23
    21 <170> SOFTWARE: PatentIn version 3.1
    23 <210> SEQ ID NO: 1
    24 <211> LENGTH: 15
    25 <212> TYPE: PRT
    26 <213  ORGANISM: Artificial Sequence
    28 <220> FEATURE:
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    31 <220> FEATURE:
     32 <2215 NAME/HEY: MISC FEATURE
    34 <223> OTHER INFORMATION: Maa = any amino acid except Trp, Cys or Tyr
    3€ <220 - FEATURE:
    37 <221 - NAME/HEY: MISC FEATURE
     se lles imple important ma male sany se trouvé a se est day virtue de
    17 4 FELENORE: 1
W--> 43 Met Ala Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa Ala Lys Lys Lys
    4 .1 · Sha Helle: .
    4" .11 - 1E14TH: "
    49 - JOH TYPE: PRT
    is all to OB WALLAND Artificial Corponio
     Description
    Francisco THER SIM RESULT M: Starts the Francis
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RAW SEQUENCE LISTING

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PROPERTY OF THE CONTRACTORS HAVE LONG TO A TYPE RESERVED.
     e^{\pm}=2...0\times FEATURE:
     *e 201 * DAMPSKEY: MIDS FFAISKE
     67 - 202 - LOCATION: (3)...(3)
     ve 7.5 CTHER ENECKMATION: Mass
                                          1100 1 1001
         CLO - FEATURE:
     /1 2.1 NAME/KEY: M CO FEATURE
     72 - 421 = LOCATION: (4)...(4)
     73 - 223 OTHER INFORMATION: Maa-
                                         Lieu, Ile or Thr
     WE COME FEATURE:
     7\epsilon \ge 221 + \text{NAME/FEY: MISC FEATURE}
     77 + 2221 LOCATION: (\mathfrak{C}) ...(\mathfrak{G})
     78 0223 OTHER INFORMATION: Mas - Leu, Ile, The or Val
     80 <220 - FEATURE:
     31 4221 - NAME, FEY: MIGC FEATURE
     32 <222. LOCATION: (7)...(7)
     33 <223 - OTHER INFORMATION: Xaa = Leu, Thr or lie
     35 <220: FEATUFE:
     86 <221: NAME, KEY: MISC FEATURE
     87 <222: LOCATION: (8+..(8)
     38 <223: OTHER INFORMATION: Xaa = Leu, Thr, lle or Gln
     30 <220: FEATURE:
     31 <221 NAME/HEY: MISC FEATURE
     92 < 222: LOCATION: (9)...(9)
     93 <223. OTHER INFORMATION: Maa = Leu, Thr, lie or Gln
     95 <400: SEQUENCE: 2
W--> 97 Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa
     98 1
     100 <210> SEQ ID NO: 3
     101 /211 > LENGTH: 9
     102 <212> TYPE: PRT
     103 <213> ORGANISM: Artificial Coquence
     105 <220> FEATURE:
     106 <223> OTHER INFORMATION: Synthetic Feptide
     10° '400 · SFQUENCE: 3
     ii to the sie die die ive the The Ile
     114 E. D. E. JEGO 11 198: 4
     lar - Ill - IBM Th: -
      lik kultuk TYRE: EFI
     11 - E. 1880 & AMICK: Actual Color of Paris
     11 * * LL + FFATURE:
     180 - 223 - OTHER INFORMATION: Synthetit Fortida
     li. Par Pige, reces a
     1.4 Tym ieu lie leu Tym leu ieu ieu leu
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or the authority to

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TATE: 4 11 / 5 TIME: 1:45:.5

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Object 30: N:\CRF4\04152003\J017672B.raw

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181 - 218 - RAMIOME Artificial de pense
  1988 L. FEATTRE:
 134 - 2... OTHER INFORMATION: Synthetic Feptide
 136 *400 · LEGMENOF: 5
  iss 314 412 %Id Bin Tyr The The II.e Die Ala Lys Lys Lys
 142 -715 - CEP II NO: €
 143 <211 · LENGTH: 13
 144 <212 - TYFE: 1RT
 145 MIR (GRANISM: Artificial Sequence
 147 KALO - FRATURE:
 148 :0230 OTHER INFORMATION: Syntheti: Peptide
 150 <400> SEQUENCE: 6
 152 Lys Let He Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
153 1
                                                                                                          10
156 kål0/ SEQ ID NO: 7
 157 <211% | IENGTH: 4
 158 <212> TYPE: PRT
159 KR13' CRGANISM: Artificial Sequence
161 <220> FEATURE:
 162 < 223 > CIEER INFORMATION: Synthetic Peptide
164 <400> SEQUENCE: 7
166 A.a Lys Lys Lys
 167 1
 170 KD10/ SEQ IN NO: 8
 171 <0110 LENGTH: 13
 172 <212> TYPE: PRT
173 <213> CEGANISM: Artificial Sequence
175 <220% FEATURE:
176 <223 CTHER INFORMATION: Synthetic Pertide
 178 <400: SEQUENCE: 8
180 Glu Leu Ile Leu Tyr Leu Leu Leu Leu Ala Lys Lys Lys
 184 <210> SEQ ID NO: 9
  185 <211> LENGTH: 9
  186 - 211 - TYPP: 185
 187 S. Issandaminus Artificia, Comens
  I SAN HALLAND BEFAITTER:
 in the THIR DE MADE DE LYSTERIES SERVE
 14 fyr is a facility for the leader to a
 7-19-20 7
 ie esta caro in ma da
 14% +011 + LENGTH: *
       · · · II · TYPE: EFT
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consult of the consult of the call 
. FREE STATES:
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in a less like less lyn less less less
            .11. -11. - 28. 12 No. 11
            . 19 - 211 - DENGTH: 14
            .14 21. / TYPE: IRD
            . It 21 to ORFANISM: Artificial Pequence
            1177 - 22 CARPTER:
            Pir 322 > OTHER INFORMATION: Bynthetic legtide
            ≈20 ~400> BEQUENCE: 11
            PART OF THE LYSING THE TIP THE GIR ASH AND APP MET LYSING TYP TYSINGS.
                                                                                                        10
            725 1
            5.20 52165 SEQ 10 NO: 12
            227 42112 LENGTH: 25
            228 -2129 TYPE: PRT
            229 32130 ORGANISM: Artificial Sequence
            #31 < #20 + FEATURE:
            232 ×2232 OTHER INFORMATION: Synthetic Peptide
            234 -400 SEQUENCE: 12
            236 Arg Cln lie Lys lie Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
            237 1
                                                                                                          1.0
            239 Lys Leu Ile Leu Phe Leu Leu Leu Leu
            240 20
            243 <210> SEQ ID NO: 13
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            045 K212> TYPE: PRT
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            253 <222> LOCATION: (1)..(1)
            254 <223> OTHER INFORMATION: Xaa + any amino acid except the non-degenerate
phosphorylatable amino
            255 acid selected from the group consisting of Tyr, Ser and Thr
            257 <220> FEATURE:
            CONTRACTOR NAME / KEY: MICH FRATURE
           ug nor year ar exception
          ocki oce oca mia skie meda da motne da og omnostona od cyk, skie dana inn
           INTERIOR FRANCES
           De4 Follow NAMES BEY: MIRT BEAUTIER
           1.65 Fills (OCATION: (2)...
           THE SELECTION OF THE INFORMATION: Was in about to proceed
           ..... BEATTER:
           1. Communication of the second of the second
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TATE: 4/11 . . . TIME: 12:4::...

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Part Prise OTHER INFORMATION: Mad in absent or present
     PART BEATTER:
     V-C - 1, 1> NUMB FEY: MISC FEATURE
     . 61 81/22 D MATTEM: (4)...(4)
     197 91199 OTHER INFORMATION: Maa - any amin-apid except the non-dependent-
rt. sphorylatable amino
     Are asid releated from the group amplishing of Tyr, ter and thr
     2.45 A22GU FEATURE:
     206 (221) NAME FEY: MISC FEATURE
     1.47 - 22/22 + 1.0 \text{CATION:} (4) \dots (4)
     283 .2232 OTHER INFORMATION: Xaa is absent or present
     2/3) VI(200 FEATURE:
     291 <221% NAME FEY: MISC FEATURE
     292 %222> IECATION: (5)..(5)
     233 <125> OTHER INFORMATION: Maa — any amino acid except the non-degenerate
phosphorylatable am.r.c
     294
               lacid selected from the group consisting of Tyr, Ser and Thr
     236 <220> FEATURE:
     237 <221> NAME FEY: MISC FEATURE
     2 33 < 222 > LOCATION: 5)..(5)
     239 <223> OTHER INFORMATION: Maa is absent or present
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     302 <221> NAME, FEY: MISC FEATURE
     303 <222> LOCATION: 6)..(6)
     301 <223> OTHER INFORMATION: Naa
                                        any amino acid except the non-degenerate
phosphorylatable aminc
          acid selected from the group consisting of Tyr, Ser and Thr
     307 <220> FEATURE:
     303 <221> NAME EFY: MISC FEATURE
     303 <222> LOCATION: 61..(6)
     31) <2230 OTHER INFORMATION: Xaa is absent or present
     312 <220> FEATURE:
     313 (D21> NAME, KFY: MISC FEATURE
     314 <222> LOCATION: 7)..(7)
     PINOLOGY THER INFORMATION: Massociany amino and lowesy to the totals morate
programme above and
              carding between this theory of mountains in Tyr, Wer and The
               - - ATTHE:
     FIRE OF BEAUTIEF
     \mathcal{H} = \{1,1,\dots,T\} We I \mathcal{H}_{\mathbf{t}}
     * I * Lot STHEE INFORMATION: Was in absent or present
     NIS - 1200 FRATURE:
     S.4 - ... IN NAME WHY: MISH BRAITER
     eli ello paramente (e.g., e)
e e ello e timbo mis bixalo di mos e my ordino del arrestorio e e e enciente e el
e
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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
Leg#:1; Maa Fes. 3,4,5,6,7,8,9,10,11
Leg#:1; Maa Fes. 1,2,4,4,6,2,0,6
Leg#:13; Maa Fes. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21
Leg#:14; Maa Fes. 1,2,3,4,5,6,7,8,9,10,12,15,14,15,16,17,18,19,20,21
Leg#:11; Maa Fes. 1,2,5,4,5,6,7,8,9,10,12,15,14,15,16,17,18,19,20,21
Leg#:17; Maa Fes. 1,2,5,4,6,7,8,9
Seg#:18; Maa Pes. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
Seg#:20; Maa Fes. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
Seg#:21; Maa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:13; Line(s) 359

VERIFICATION SUMMARY

FATEUT APPLICATION: US/10/017,672B

01ATR: (4010) 0 0 01TMF: (10140:04)

ing w . Dr : A:\PTO.AMC.txt

Li45 Mi541 Wi 540, "h" is "Maa" u564, is CE_{\star} II#:1 after p as: Li97 Mir41 W: (40) "h" or "Waa" used, for SEQ ID#ix after pos.:6 Li470 Mi341 W: (46) "h" or "Maa" leod, h r SEG ID#:lo liter pos.: M::41 Repeated In Sept 1: Liche Mir 41 Wir (46) "h" or "Maa" wood, in r CEG 10#:14 after fos.in M:341 Repeated in SeqNe 14 1:255 Mrs41 Wr (4); "n" or "Maa" meel, for SEC 10#:15 artem peel: M:341 Repeated in JeqNe -15 L:1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0 M: 941 Repeated in SeqNo 16 1:1118 M::41 W: (40) "n" or "Waa" used, for SEW ID#:17 after pos.:5 L:1323 M::41 W: (46) "n" or "Maa" used, for SEQ ID#:18 after pos.:0 M:341 Repeated in SeaNo-16 L:1531 M:541 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0 M:341 Repeated in SeqNo 19 L:1739 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0 M:341 Repeated in SeqNo=20 L:1947 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:21 after pos.:0 M:341 Repeated in SeqNo=21 L:2155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0 M:341 Repeated in SeqNo=22 L:2363 M:341 W: (46) "n" or "Maa" used, for SEQ ID#:23 after pos.:0 M:341 Repeated in SeqNo=23